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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/578,059	06/11/2007	Michael J. Elder	09086-00234-US	4770
34872 Basell USA Inc	7590 04/18/200	EXAMINER		
Delaware Corporate Center II 2 Righter Parkway, Suite #300			LU, C CAIXIA	
Wilmington, Dl			ART UNIT	PAPER NUMBER
			1796	
			MAIL DATE	DELIVERY MODE
			04/18/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/578,059	ELDER ET AL.			
Office Action Summary	Examiner	Art Unit			
	Caixia Lu	1796			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period w.  - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	lely filed the mailing date of this communication. (35 U.S.C. § 133).			
Status					
Responsive to communication(s) filed on 19 Fe     This action is FINAL. 2b) ☐ This     Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro				
Disposition of Claims					
4) ☐ Claim(s) 1-7 and 9-16 is/are pending in the approach 4a) Of the above claim(s) 1-4,7,9,10 and 13-16  5) ☐ Claim(s) is/are allowed.  6) ☐ Claim(s) 5,6,11 and 12 is/are rejected.  7) ☐ Claim(s) is/are objected to.  8) ☐ Claim(s) are subject to restriction and/or are subject to restriction and/or are subject to by the Examine 10) ☐ The drawing(s) filed on is/are: a) ☐ accession and accession are subjected to by the Examine 10) ☐ The drawing(s) filed on is/are: a) ☐ accession and accession are subjected to by the Examine 10) ☐ The drawing(s) filed on is/are: a) ☐ accession are subjected to by the Examine 10) ☐ The drawing(s) filed on is/are: a) ☐ accession are subjected to by the Examine 10) ☐ The drawing(s) filed on is/are: a) ☐ accession are subjected to by the Examine 10) ☐ The drawing(s) filed on is/are allowed.	is/are withdrawn from considerater is/are withdrawn from considerater is seen as well				
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119					
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>					
Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  3) Information Disclosure Statement(s) (PTO/SB/08)  Paper No(s)/Mail Date 5/2/06.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ite			

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## **DETAILED ACTION**

## Election/Restrictions

1. Applicant's election with traverse of Group III wherein the elected catalyst species is dimethylsilylbis(2-methyl-8-phenyl-benzo[b]cyclopenta[d]theny-3-yl) zirconium dichloride, claims 5, 6, 11, and 12, in the reply filed on February 19, 2008 is acknowledged. The traversal is on the ground(s) that detailed analysis is not provided regarding how the common feature of the catalyst composition is rendered obvious over the "X" references disclosed in the International Search Report. This is not found persuasive because detailed analysis is not required in the restriction requirement.

The requirement is still deemed proper and is therefore made FINAL.

## Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
  - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 5, 6, 11, and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Schulte et al. (WO 03/106470 A1, and its family US 2005/0182266 is referred to hereinafter for convenience).

Schulte disclose a catalyst composition comprising a  $C_1$  and  $C_2$ -symmetric metallocene complexes represented by formula (I) ([0010] and [0015]). When the T group containing ligand is represented by the substituted cyclopenta[2,3-

b]thiophene-6-yl ligand of [0016]] on page 2, and the R³ and R4 groups are bonded together to form the simplest ring such as a fused benzene ring with substituent(s), Schulte's heteroatom containing metallocene complexes meet the limitations of organometallic transition metal compound (I) of the instant claims.

Thus, it would have been obvious to a skilled artisan at the time the invention was made to employ Schulte's teaching to provide an olefin polymerization catalyst composition comprising the heteroatom containing metallocene complex as shown above in search for a catalyst composition with improved stereo selectivities and activities since such is disclosed in Schulte and in the absence of any showing criticality and unexpected results.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Caixia Lu whose telephone number is (571) 272-1106. The examiner can normally be reached on 9:00 a.m. to 5:30 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wu can be reached on (571) 272-1114. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Caixia Lu/ Caixia Lu Primary Examiner Art Unit 1796 Page 4